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File: JPAB

Oct 23, 1992

DOCUMENT-IDENTIFIER: JP 04300896 A

TITLE: HUMAN-DERIVED EARLY PREGNANCY FACTOR AND SEPARATION AND PURIFICATION THEREOFAbstract (1):

PURPOSE: To separate and purify the subject human early pregnancy factor capable of application to remarkably early pregnancy (fertilization) diagnosis, etc., from a crude raw powder of human villous gonadotropin.

Abstract (2):

CONSTITUTION: An hCG crude raw powder partly purified from human pregnancy urine is used as the starting raw material and fractionated by gel filtration, salting out, dialysis and chromatography to obtain a fraction having an EPF activity. EPF can be separated and purified by the above-mentioned process and the obtained hEPF has 2400-30000 molecular weight (measured by SDS polyacrylamide gel electrophoresis method) and the N-terminal amino acid sequence thereof is X-Ser-X-Gln-Asp-X-Ala-Pro-Val-Gly-X-Ser-Mer-Tyr-Ala-(X shows Cys or one of 20 kinds of natural amino acids).

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Applicants: John O'Connor
and Steve Birken
Serial No.: 09/311,428
Filed: May 13, 1999
(Exhibit 4)

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